Customer Installation Instructions

Ambulatory Blood Pressure Report Management System (92506)

These instructions describe the procedures for installing the ABP Office Local system for the first time or upgrading an existing ABP Office Local system.

The APB system should be located in an area free of equipment emitting RF or EMI interference.

> ***WARNING:***
> - ***Before connecting any peripheral equipment to the CPU box, ensure that the power cords for the CPU box and the peripheral equipment being attached are disconnected from a power source.***

Minimum Requirements

- 200 MHz Pentium processor (900 MHz recommended)
- 64 MB RAM (128 MB recommended)
- 2.1 GB hard drive (30 GB recommended)
- 1.0 GB free hard drive space recommended for program installation and database access components

> **CAUTION:**
> - **Windows requires a minimum of 250 MB of free hard drive space available at all times for virtual memory, print spooling, and caching. Failing to comply with these requirements will degrade system performance or cause the system to crash.**

> - *A 24-hour patient record with 240 readings requires a maximum of 50 KB of hard drive space.*

- 8X CD-ROM drive
- 15-inch SVGA monitor and display adapter supporting 1024 x 768 resolution and large fonts
- 101-key enhanced keyboard
- Printer port supporting ECP (recommended)
- Hewlett Packard HP PCL-3-compatible printer with a minimum of 2 MB for print resolution of 300 dpi or 8 MB memory for print resolution of 600 dpi
- Mouse
- Windows 98, Windows 98SE, Windows 2000 Professional (recommended), Windows 2000 advanced server, or Windows XP operating system
- Internet access for email (SEND)
- Adobe Acrobat Writer 5.0 or later for PDF generation (SEND)

For the Spacelabs ABP Monitors:

- One available serial port for the 90207/90217 ABP Monitor serial interface or one available USB port for the 90207/90217 ABP Monitor serial interface with a KEYSPAN P/N:USA-19W USB to serial interface adapter.

Software Installation Instructions

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- *These instructions assume that the 3.5-inch disk drive is designated as "A," that you will be installing files onto the hard drive designated as "C" and the CD-ROM drive is designated as "D". These are the default designations used by the install program. If these drives have different designations on your system, make adjustments accordingly while running any of the following installation programs.*

Removing an Earlier Version of ABP

CAUTION:
- **If you are upgrading from ABP RMS 90121, you should back up your files first. However, since ABP RMS 90121 can co-exist with this version of the software, you can delay the removal of 90121 until you are familiar with the new version of software.**

- **ABP RMS 90121 does not have an uninstaller. The files must be deleted manually.**

Although not necessary, it is recommended that you remove any earlier version of ABP software that may be installed on your computer before installing the new version.

If you do not remove the earlier version of ABP, the installation program will automatically detect it on your computer and prompt you to choose between performing a **Full Install** or an **Update Install**.

Refer to *Installing the ABP Software* below and *Additional Installation Options* on page 3 for all possible methods of installation.

If you decide to remove the earlier version of ABP software and online documentation, use the following procedure.

1. Click **Start** and select **Settings** > **Control Panel**.

2. Double-click the **Add/Remove Programs** icon.

3. Select the **Spacelabs ABP Office Local System** and click **Add/Remove**.

4. Follow the instructions on the screen. When asked "Are you sure you want to completely remove the selected application and all of its components?" click **Yes** to continue.

5. If the **Remove Shared File** dialog box appears, click **Yes** to remove the shared file.

6. Following successful program removal, click **OK** to return to the **Add/Remove Programs** dialog box.

7. Select the **Spacelabs ABP Report Management System Electronic Manuals** and click **Add/Remove**.

8. Repeat steps 4 through 6 to remove the electronic manuals.

9. Close the Control Panel.

Installing the ABP Software

The following instructions describe a first time installation or installation after removal of a previous ABP version. Refer to *Additional Installation Options* on page 3 for details of other installation options.

1. Insert the Spacelabs ABP Report Management System CD into the CD-ROM drive.

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- *If, after waiting approximately 15 seconds, the installation program does not automatically start, proceed with step 2 below.*

- *If the installation program automatically starts, skip to step 8 below.*

2. Open the Control Panel and click the **Add/Remove Programs** icon.

3. Click **Add New Programs**, and then select **CD or Floppy**.

4. At the **Install Program From Floppy Disk or CD-ROM** message, click **Next**.

5. When prompted for the name of the program to install, verify that it is **X:\Setup.exe** (where **X** is the CD-ROM drive).

6. Click **Finish**.

7. Verify that all programs are closed prior to installing this software.

8. When asked for the setup language, select the appropriate language and click **OK**.

9. Select **Advanced Install** when the **Select the Setup Type** window appears (refer to *Additional Installation Options* on page 3 for descriptions of Advanced Install and Express Install).

10. Select the following component(s) to install:

    • **ABP Client Application** (the main application software)

    • **Electronic Manuals** (PDF files of the operating instructions)

    • **Print Now (Print Screen utility)** (allows you to print the current screen)

    • **Adobe Acrobat (PDF Reader) Application** (for viewing the electronic manuals and patient records stored in PDF format)

    > • *All the above options will automatically be selected (checked) if they are not already installed on your system.*

11. At the **Choose Destination Location** dialog box, accept the default location of **C:\Spacelabs** and click **Next**.

12. At the **Select Program Folder** dialog box, accept the default program folder of **Spacelabs ABP Office Local System** and click **Next**.

13. The **Start Copying Files** dialog box displays a list of items that confirm all of your selections. Click **Next**.

14. Click **Yes** at the **Microsoft SQL Server Desktop Engine restart system** dialog box.

15. After all selected application files are installed, you are returned to the Windows desktop.

You have successfully installed the Spacelabs ABP Office Local Report Management System on the computer.

Additional Installation Options

If you have an earlier version of ABP software on your computer, you can choose between a **Full Install** and an **Update Install**.

• Select **Full Install** to completely overwrite the existing ABP version.
• Select **Update Install** to install the newer version without changing the system configuration.

You also have the choice between **Express Install** or **Advanced Install**, which require different user interactions (refer to *Table 1*).

• **Advanced Install** allows you to specify the components and working parameters for the application you are installing, and then requires confirmation of the selections made.
• **Express Install** requires minimal user input and installs the Spacelabs ABP Office Local System, based on a pre-defined set of options programmed into the setup process.

The following table lists all possible stages that may be encountered during installation.

Table 1: Advanced vs. Express Installation

ADVANCED INSTALL			EXPRESS INSTALL		
First Time Install	**Repeat Full Install**	**Repeat Update Install**	**First Time Install**	**Repeat Full Install**	**Repeat Update Install**
Select components to install	Select components to install	Select components to install	Installs ABP Office Local application and electronic manuals	Installs ABP Office Local application and electronic manuals	Installs ABP Office Local application and electronic manuals
Specify install location folder	Installs to existing location of the software	Installs to existing location of the software	Install location defaults to "Spacelabs" folder on hard drive	Installs to existing location of the software	Installs to existing location of the software
Specify program folder to be created	Retains the old program folder	Retains the old program folder	Creates a "Spacelabs ABP Office Local System" program folder	Retains the old program folder	Retains the old program folder
Confirmation requested	No confirmation requested	No confirmation requested	No confirmation requested.	No confirmation requested	No confirmation requested
Requests confirmation of MDAC upgrade (if required)	Requests confirmation of MDAC upgrade (if required)	Requests confirmation of MDAC upgrade (if required)	Upgrades MDAC automatically (if required)	Upgrades MDAC automatically (if required)	Upgrades MDAC automatically (if required)
	Confirmation requested to replace existing Spacelabs ABP database	Retains existing Spacelabs ABP database		Replaces existing Spacelabs ABP database	Retains existing Spacelabs ABP database
Finish Depending on component selections made at the start of the install process, other installation programs may follow this one	Finish Depending on component selections made at the start of the install process, other installation programs may follow this one	Finish Depending on component selections made at the start of the install process, other installation programs may follow this one	Finish Proceeds with installation of electronic manuals	Finish Proceeds with installation of electronic manuals	Finish Proceeds with installation of electronic manuals

Starting the ABP Client Program

1. Double-click the **Spacelabs ABP Client Application** icon to start the program.

2. Enter user information as required to log on, and then click **OK**.

3. The ABP Report Management System application starts and the **Main Menu** is displayed.

Exiting the Program

When you are finished working with the ABP Client application, be sure to log off.

1. Return to the **Main Menu** from any other location by clicking **Close** or **Cancel**.

2. From the **Main Menu**, click **LogOff**.

Installing a Sample Report

1. Log on to the ABP Client application.

2. At the **Main Menu**, click **Review/Edit Patient Test**.

3. When the patient list displays, select **Open** from the **File** menu.

> **!** • *The user must have "Add test" permission to import a patient test.*

4. Select any **.abp** file and click **Open**. The **Acquisition Wizard** dialog box will display.

5. From the **Physician** list, select a physician.

6. Click **Next** to display the **Optional Test Related Information** dialog box.

7. Click **Next** to display the **Enter Patient Information** dialog box.

8. Click **Finish**.

9. A patient record will display in the patient list (for example, "John Doe").

Verifying System Operation and Printer Function

1. After creating the sample report under *Installing a Sample Report* above, select the sample patient record you created.

2. From the **Print** menu, select **Print Report**.

3. Click **OK** to print the sample patient record.

4. Verify the print resolution is 300 dpi or 600 dpi (the printer resolution is printed on the lower left corner of the cover page).

Verifying the Monitor Operation

1. Right-click on the desktop and select **Properties**.

2. Select the **Settings** tab on the **Display Properties** dialog box.

3. Verify that the screen area is set to **1024 x 768**.

4. Click **Advanced** and verify that the Font Size is set to **Small Fonts** or **Normal**.

5. Click **OK** twice to exit.

6. Double-click the **Spacelabs ABP Client Application** icon.

7. Enter the User ID and Password and click **OK**.

8. Verify that no scroll bars are displayed on the bottom or the side of the screen.

9. If any discrepancies are noted, contact your Spacelabs representative.

Installation Troubleshooting

Refer to the table below if any problems are encountered during the installation.

Table 2: Troubleshooting

Problem	Probable Cause	Solution
Setup indicates that the OS is not supported.	An unsupported operating system is installed.	Refer to *Minimum Requirements* on page 1 for operating systems supported.
Setup indicates that a particular file cannot be found.	The installation CD may be corrupt.	Request a new installation CD and re-install the application.
Setup indicates a file cannot be moved.	The ABP application may be in use.	Close the ABP application and then restart the installation.